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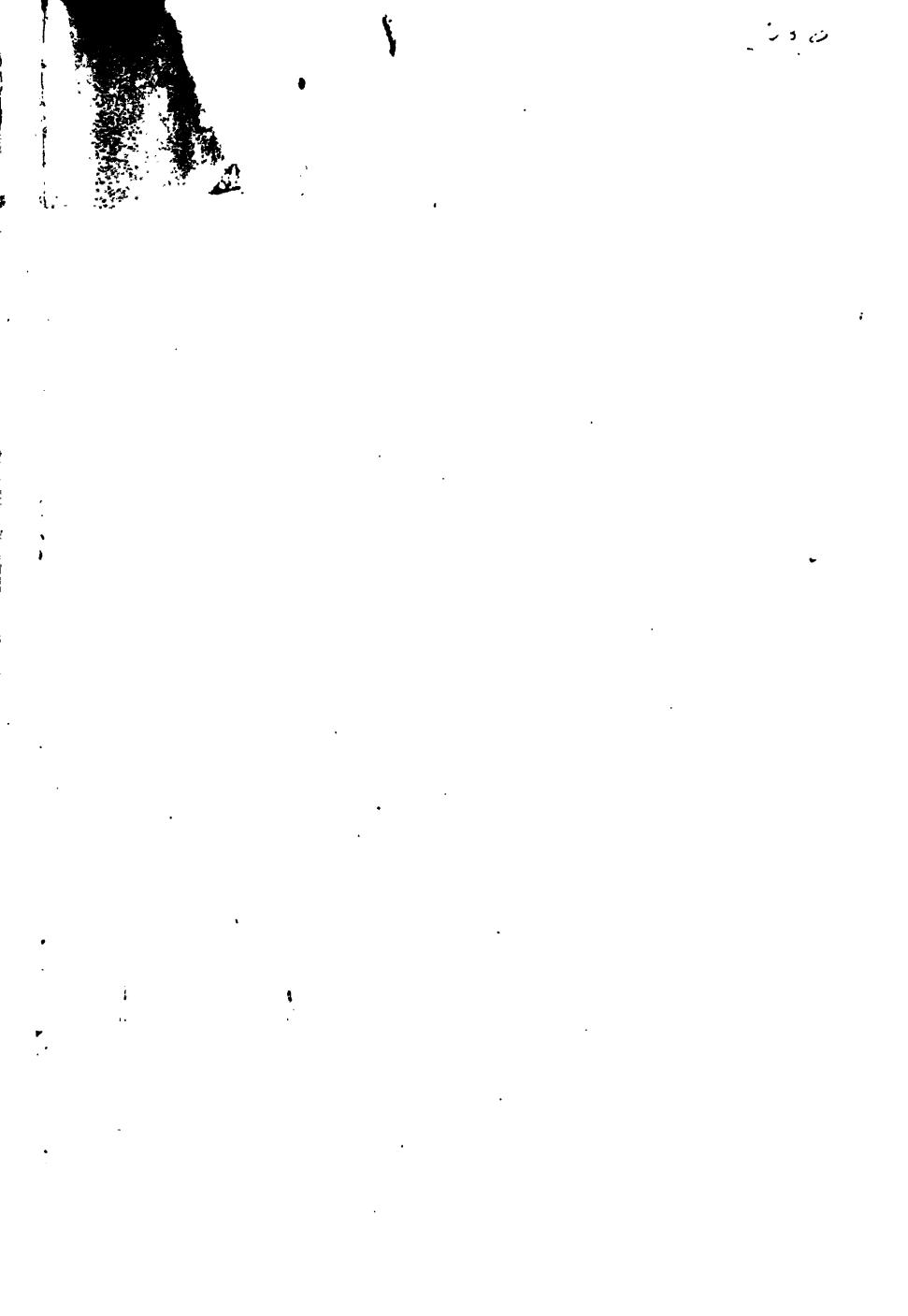
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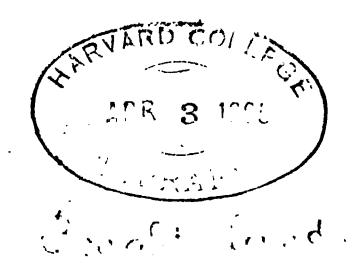
INDEX

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ARCHER BUTLER HULBERT

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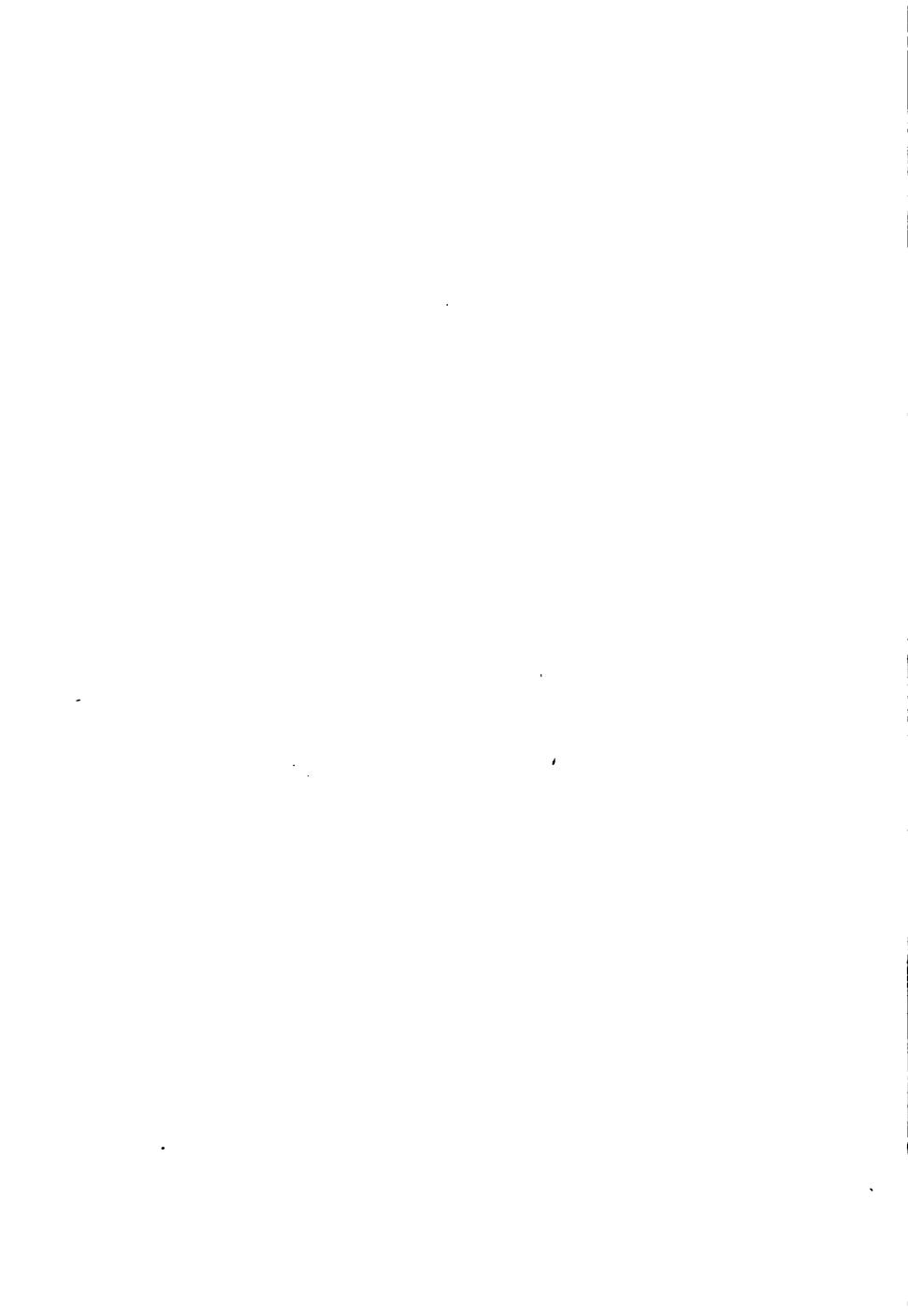
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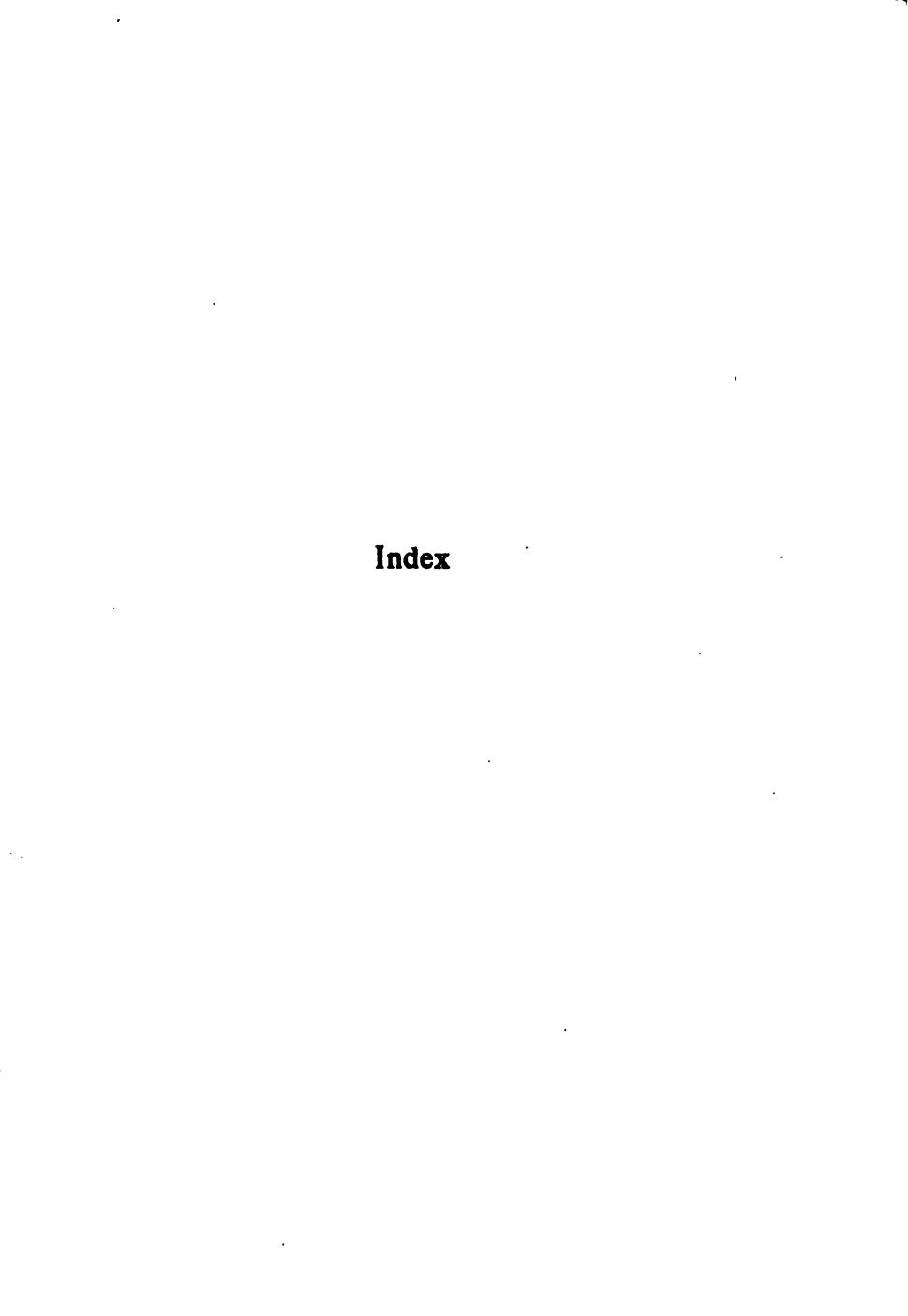
THE fact that the words trace, trail, and road are often used interchangeably has made it necessary in this index to classify them as follows: all buffalo routes are given here as traces, Indian routes as trails, and white men's routes as roads. To know the history of a given road, therefore, it may be necessary to look for it under both its modern and its ancient name.

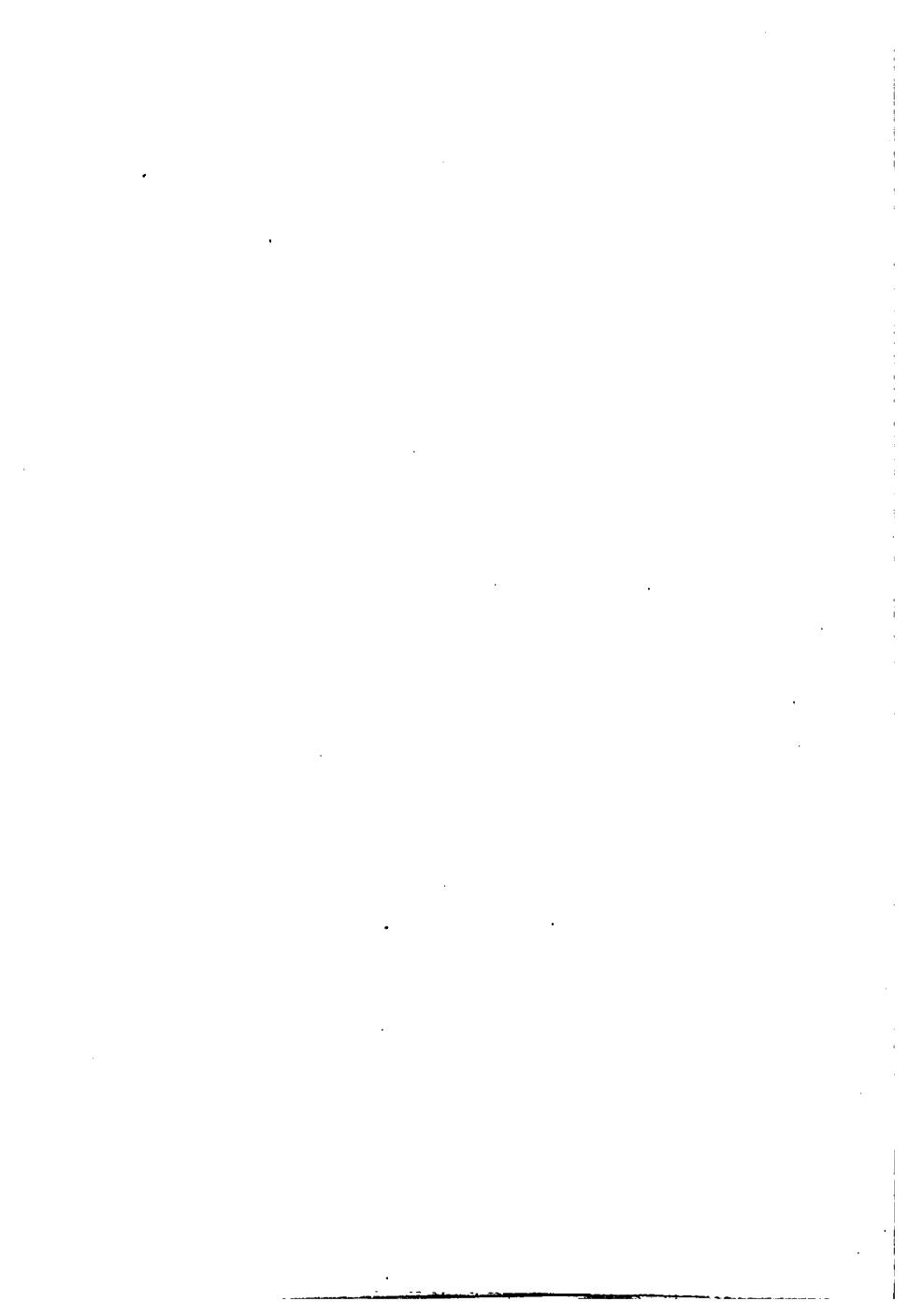
Of the extraordinary number of taverns on American pioneer roads a large portion went under the name of the landlord, as, Sampey's Tavern. In the following index these are all given under the landlord's name in the possessive case, as, Sampey's. Unimportant as many of these references are, they are genealogically of moment and must be preserved.

A. B. H.

MARIETTA, OHIO, January 26, 1905.







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Zeisberger, Rev. David: opinion on derivation of "Ohio," 9, 20; on location of Moravian town in Ohio, 64; *Diary*, cited, 2, 103, 104.

Zinn's blockhouse tavern, 12, 83.

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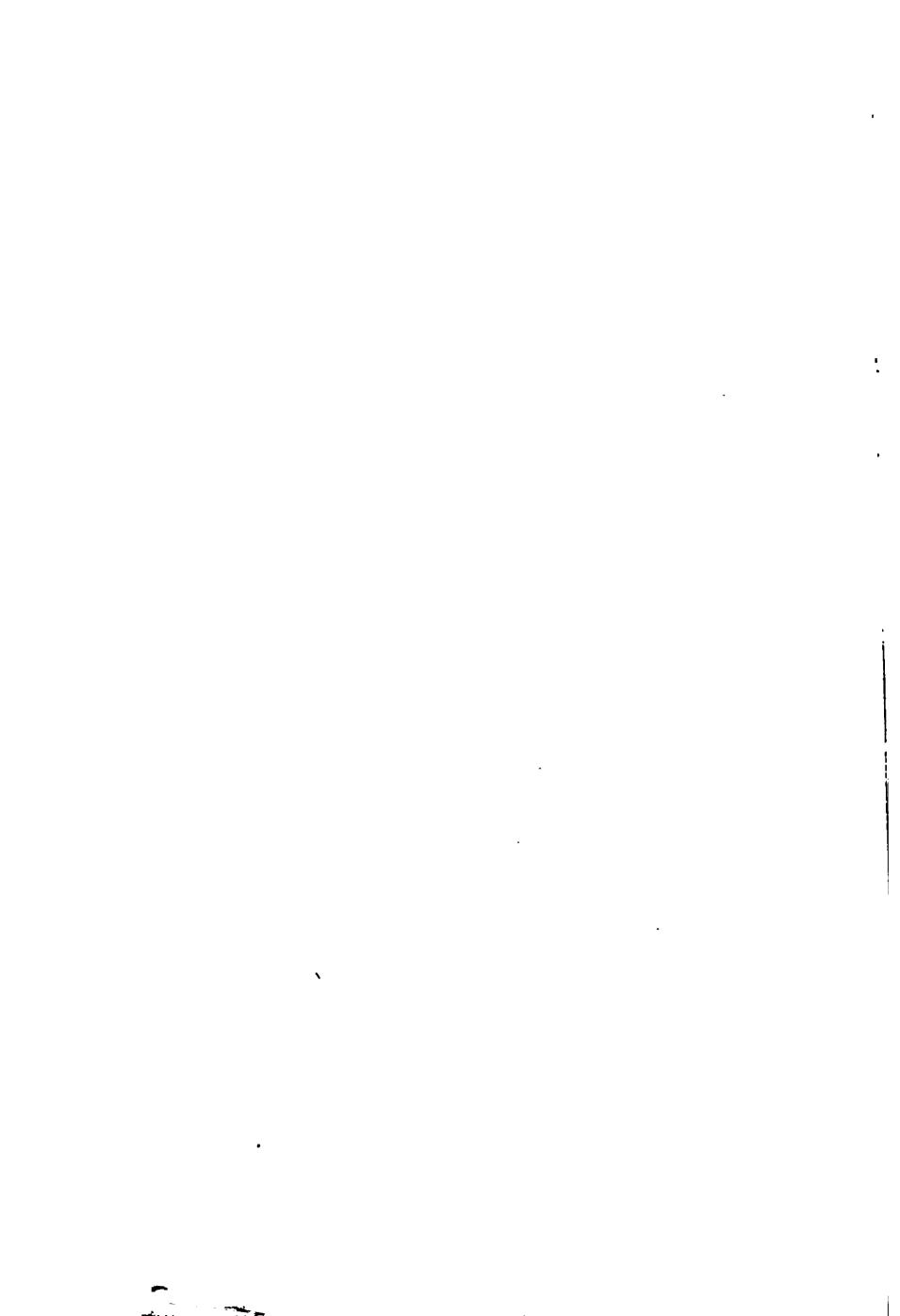
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